Message

From: Washington, John [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=FDC3E8CE9F1D45C4894881FF420CA104-WASHINGTON, JOHN]
Sent: 3/24/2020 3:21:22 PM
To: Stevens, Caroline [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=dfd9eb36db0a44eaa6cabf85f3cf0550-Stevens, Caroline]; Tong-Argao, Sania [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=71d206f3e09b445fbaba2dcfcfb510a5-Tong-Argao, Sania]
CC: Stuart, Brittany [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=6320e90a5ccd4554805142bc094c3026-Stuart, Brittany]; Davis, Mary J. [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=5a11c3a4da6248dfbaecd3465fe1ebc3-Davis, Mary]; Schumacher, Brian [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=c2d457e4a6684028801b188422df52a7-Schumacher, Brian]
Subject: Re: QA review question for PFAS manuscript
Attachments: 200323 NJ Soil Polyethers all reps Signif Recalculated JWW_MJBD check.xlsx; 200323 Post QA Cleared Legacy PFCAs in NJ Soils Stats recalculated.xlsx

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From: Stevens, Caroline <Stevens.Caroline@epa.gov>
Sent: Tuesday, March 24, 2020 10:24 AM
To: Tong-Argao, Sania <Tong-Argao.Sania@epa.gov>
Cc: Stuart, Brittany <Stuart.Brittany@epa.gov>; Washington, John <Washington.John@epa.gov>; Davis, Mary J. <davis.maryj@epa.gov>; Schumacher, Brian <Schumacher.Brian@epa.gov>
Subject: QA review question for PFAS manuscript

Good morning, Sania,

John Washington and co-authors are working on addressing reviewer comments for a manuscript submitted to *Science*. In doing so, they found an error in the calculation of statistical significance for replicates. In particular, some sample concentrations were previously treated as non-detects, because the average value of the three replicates was incorrectly deemed not statistically different from the blanks. With the corrected calculations for significance level, more of these concentration values meet the criteria for acceptance as a measured value above the detection limit. The calculated concentration values haven't changed—the only change is that more values are significant detects.

For the purposes of the paper, the net effect is that the color codes will change in Tables S4 and S5 of the Supporting Info (attached). Some values that were previously shaded red will turn yellow, and some values that were previously shaded yellow will turn green.

I've copied Brittany, because she conducted the original QA review of the data. She is also a coauthor on the paper.

We are wondering what type of QA review is needed for the corrected calculations in the spreadsheet. I'm not sure if you can make it, but Brian just sent out an invitation for a phone call to discuss this issue at 11 am today.

Thanks,
Caroline